

## CLAIMS:

1. A device for braking a motor shaft (12), especially for a chain saw, with a brake band (18) that at least partially surrounds an area of the shaft (12) and with at least one guide component (22, 23) that cooperates with it and holds the brake band (18) in its axial position, characterized in that the brake band (18) comprises at least one projection (20, 21) formed in one piece with the brake band.

2. The device according to claim 1, characterized in that the projection (20, 21) is a bulge of the brake band (18).

3. The device according to claim 1 or 2, characterized in that the outside diameter of the projections (20, 21) is greater than the sum of the outside diameter of a loop (18) formed by the brake band plus the radial work path of the loop.

4. The device according to claims 1 to 3, characterized in that the guide component (22, 23) is attached to the housing (11).

5. The device according to claims 1 to 4, characterized in that the guide component (22, 23) is formed in one piece with the housing (11).

6. The device according to claims 1 to 5, characterized in that the housing (11) comprises at least one radial recess (26, 32) for receiving the projections (20, 21).

7. The device according to claims 1 to 6, characterized in that the recess (26, 32) is formed by two guide components (30, 31).

8. The device according to claims 1 to 7, characterized in that the recess (26, 32) is formed in the housing (11) by counterdipping in the die-casting tool.

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a. 7*